

line 19, after "compensated" insert --for--;

line 24, change "Otherwise" to --Further--.

Page 38, line 7, change "with an" to --by a--;

line 8, change "alternate long and two short dashes" to --double dashed--;

line 16, after "selectively" insert --removably--.

IN THE CLAIMS:

Please amend the claims as follows:

Sub B 1. (Amended) An endoscopic imaging system comprising:

an endoscope having an elongated insertion unit, the elongated insertion unit having an illumination optical system for illuminating an object and an objective optical system for illuminating an object and an objective optical system for introducing an optical image of the illuminated object [incorporated in an elongated insertion unit thereof];

an imaging apparatus having an imaging device for picking up the optical image and outputting a signal;

a video processing unit to which said imaging apparatus is removably connected so that it can be disconnected freely and which processes [a] the signal to produce a standard video signal;

a display [means] for displaying images of said object according to [an input] the standard video signal;

a timing signal generation circuit, incorporated in said imaging apparatus, for generating timing signals used to drive said imaging device; and

15 a phase adjustment circuit for adjusting the phases of the timing signals so as to compensate a signal delay occurring over a signal transmission line to said imaging device which is linked and over which a signal is transmitted.

A6
cont

12. (Amended) An endoscopic imaging system according to claim 1, wherein
said phase adjustment circuit selects [successive delay elements from among] one of a plurality
of delay elements connected in tandem so as to adjust the phases of the timing signals.

5

18. (Amended) An endoscopic imaging system comprising:
an optical endoscope having an elongated insertion unit, the elongated insertion
unit having an illumination optical system for illuminating an object, an objective optical system
for introducing an optical image of the illuminated object, and a propagation optical system for
propagating the optical image [incorporated in an elongated insertion unit thereof];

an imaging apparatus mounted on said optical endoscope and having an imaging
device for picking up the optical image of the object propagated by said propagation optical
system and outputting a signal;

10 a video processing unit to which said imaging apparatus is removably connected
[so that it can be disconnected freely] and which processes [a] the signal to produce a standard
video signal;

a timing signal generation circuit, incorporated in said imaging apparatus, for
generating timing signals used to drive said imaging device; and

15 a phase adjustment circuit for adjusting the phases of the timing signals so as to
compensate a signal delay occurring over a signal transmission line to which said imaging device
is linked and over which a signal is transmitted.

5

19. (Amended) An endoscopic imaging system according to claim 18, wherein
said imaging apparatus has a TV camera head with a built-in imaging device, a cable extended
from said TV camera head and containing said signal transmission line linked to said imaging
device, and a connector unit attached to the end of said cable and removably coupled to said
video processing unit so that it can be uncoupled freely.

A8
cont

22. (Amended) An endoscopic imaging system comprising:
an electronic endoscope having an elongated insertion unit, the elongated
insertion unit having an illumination optical system for illuminating an object, an objective

optical system for introducing an optical image of the illuminated object, and an imaging device
5 located at the position of the image plane of said objective optical system for picking up the
optical image [an image incorporated in an elongated insertion unit thereof] and outputting a
signal;

10 a video processing unit to which said electronic endoscope is removably connected [so that it can be disconnected freely] and which processes [a] the signal to produce a standard video signal;

A8 Conn a display [means] for displaying images of said object according to [an input] the standard video signal;

15 a timing signal generation circuit, incorporated in said electronic endoscope, for generating timing signals used to drive said imaging device; and

15 a phase adjustment circuit for adjusting the phases of the timing signals so as to compensate a signal delay occurring over a signal transmission line to which said imaging device is linked and over which a signal is transmitted.

24. (Amended) An endoscopic imaging system according to claim 22, wherein
said electronic endoscope has a light source connector unit which is removably coupled to a light source apparatus for generating illumination light [so that it can be uncoupled freely], and has
said timing signal generation circuit and said phase adjustment circuit incorporated in said light
5 source connector unit.

A9 Conn 25. (Amended) An endoscopic imaging system according to claim 22, wherein
said electronic endoscope has a signal connector unit which is removably coupled to said video processing unit [so that it can be uncoupled freely], and has said timing signal generation circuit and said phase adjustment circuit incorporated in said signal connector unit.

26. (Amended) An endoscope system comprising:
first and second endoscopes each having an elongated insertion unit, each
elongated insertion unit having an illumination optical system for illuminating an object and an